

Application Ser. No.: 10/586,766

Title: ROLLING FLUID MACHINE ESPECIALLY WITH A LIQUID SPRAYING AT THE OUTPUT

Response to Office Action dated: October 10, 2009

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously presented) A rolling fluid machine comprising:
a chamber having an inner surface, where at least a part of said inner surface has a rotary shape and the chamber is provided with at least one fluid inlet and at least one fluid outlet; and
a rolling rotor mounted in the chamber to provide a clearance between the rotor and the inner surface in a manner enabling rolling and swinging,
wherein, a first space is provided in the chamber below the rotor and a second space is provided in the chamber above the rotor, and wherein the first space below the rotor and the second space above the rotor are fluidically interconnected by at least one channel in addition to the clearance.
2. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 1, wherein the rotor includes a wall and wherein the channel comprises an opening through the wall of the rotor.
3. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 1, wherein the chamber includes an inner space and wherein the channel is arranged outside the inner space of the chamber.
4. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 1, wherein the channel includes a control valve incorporated therein.

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5. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 2, wherein the channel is connected to a hollow shaft mounting the rotor in the chamber.
6. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 2, wherein the channel includes a control valve incorporated therein.
7. (Currently amended) The rolling fluid machine as set forth in [[Claim]] claim 3, wherein the channel includes a control valve incorporated therein.